FIG. 1

Figure shows with labels: 10, 14, 20

Y_1, Y_2, Y_3, Y_n

X_1, X_2, X_3, X_n

18. Y Electrode

16. X Electrode

A_1 A_2 A_3 A_4 ----------- A_m

12. Address Electrode

FIG. 2

FIG. 3

FIG. 4A Drive Wave Form

FIG. 4B Drive Circuit
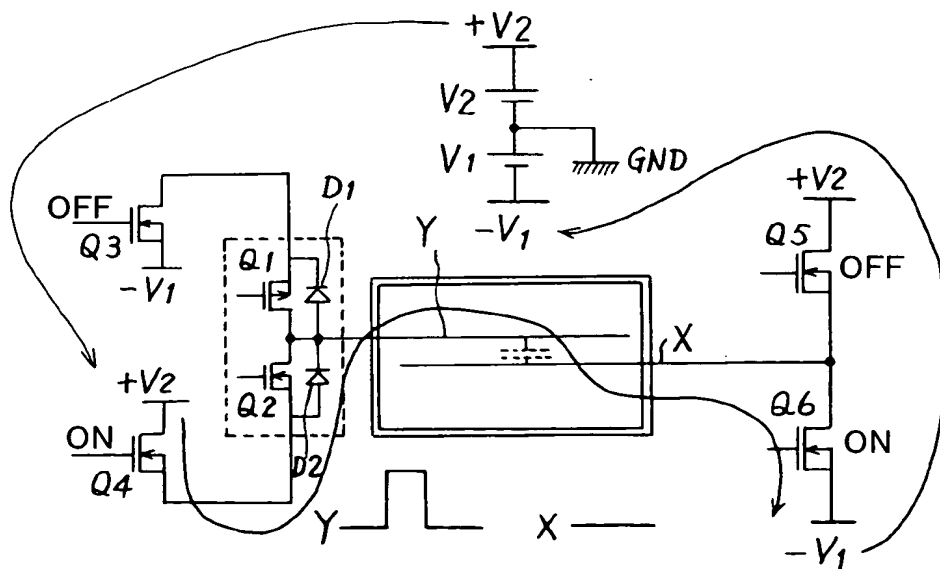
FIG. 5A Drive Wave Form

A 0 ——————————————————— GND

+V₂

Y 0 - - - - - - - - - - - - - - - - GND

−V₁

+V₂

X 0 - - - - - - - - - - - - - - - - GND

−V₁

t₁   t₂
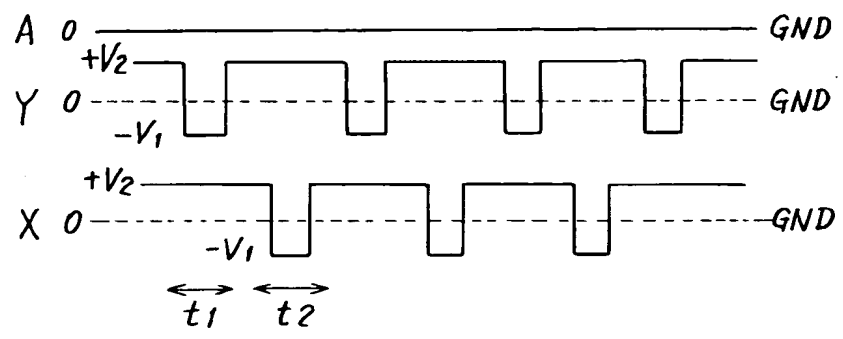
FIG. 5B Drive Circuit
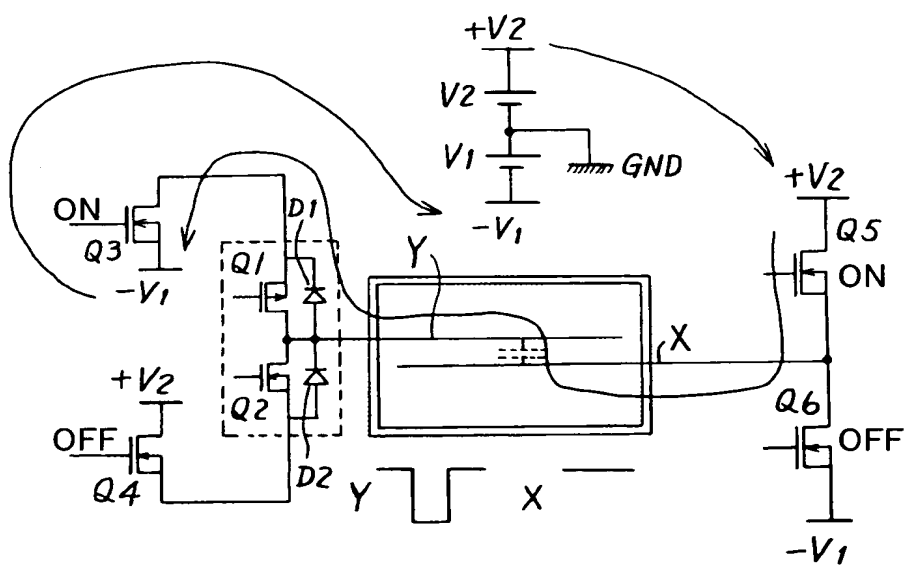
FIG. 6A Drive Wave Form

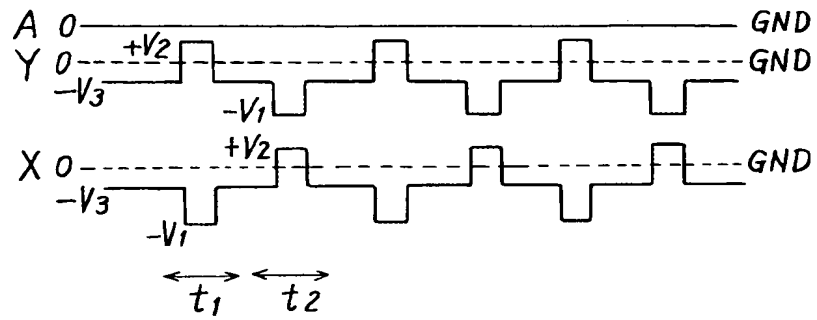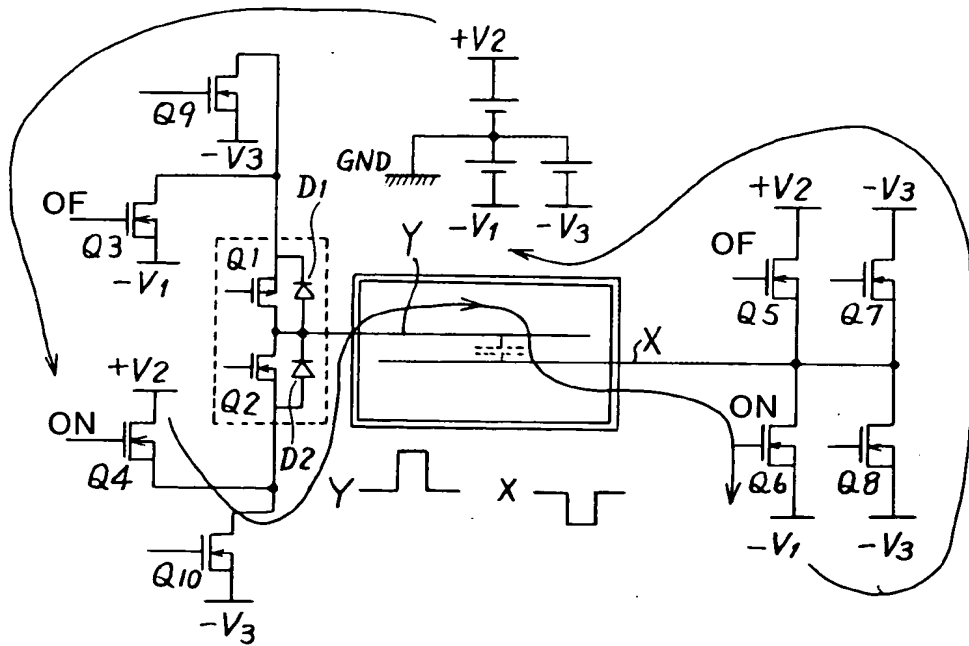## FIG. 6B Drive Circuit
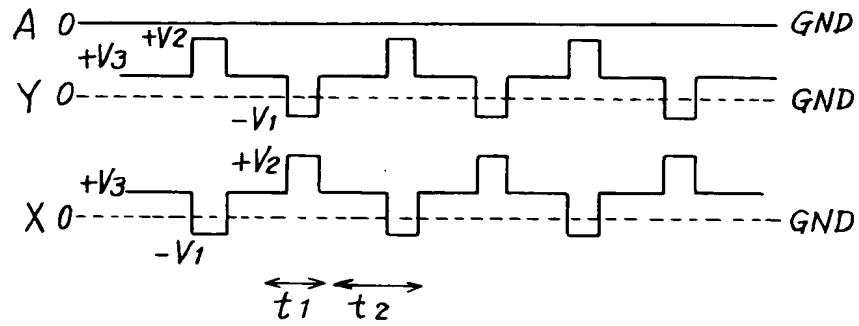
FIG. 7A Drive Wave Form
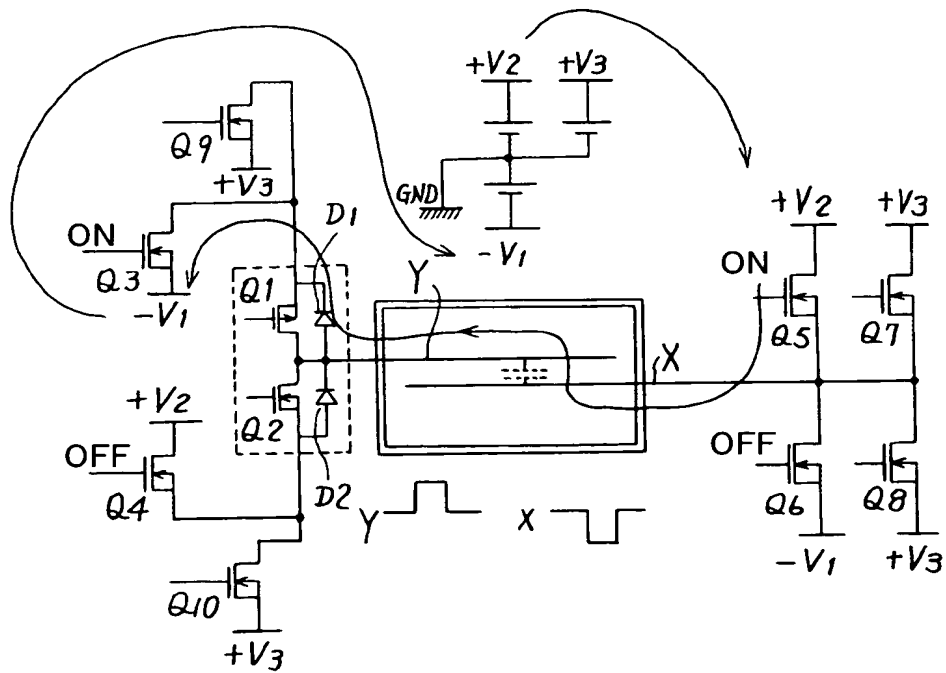

FIG. 7B Drive Circuit

FIG. 8
First Embodiment
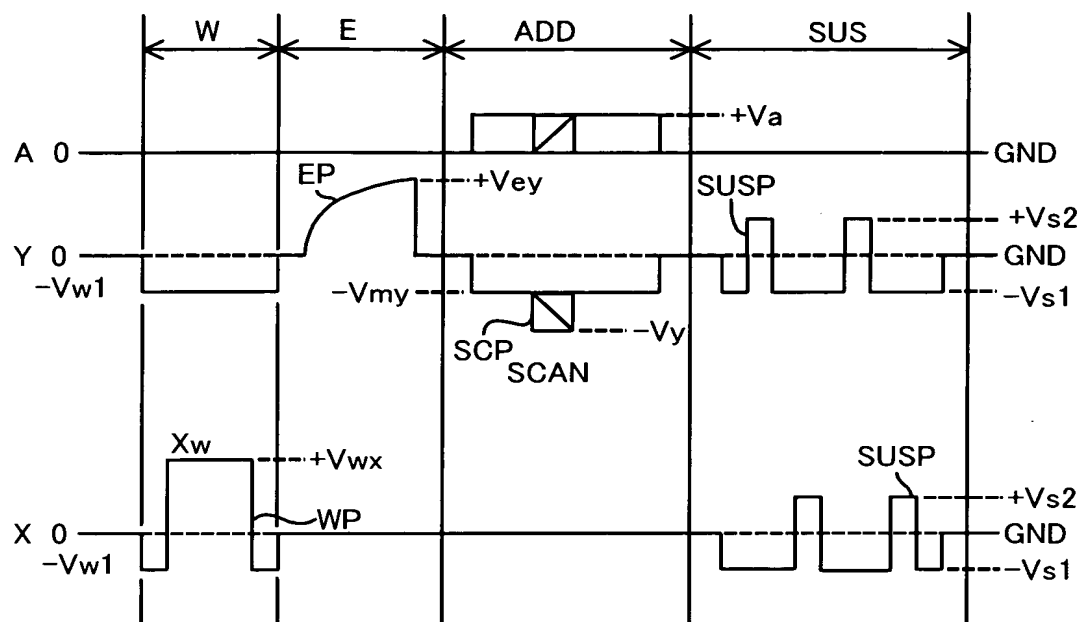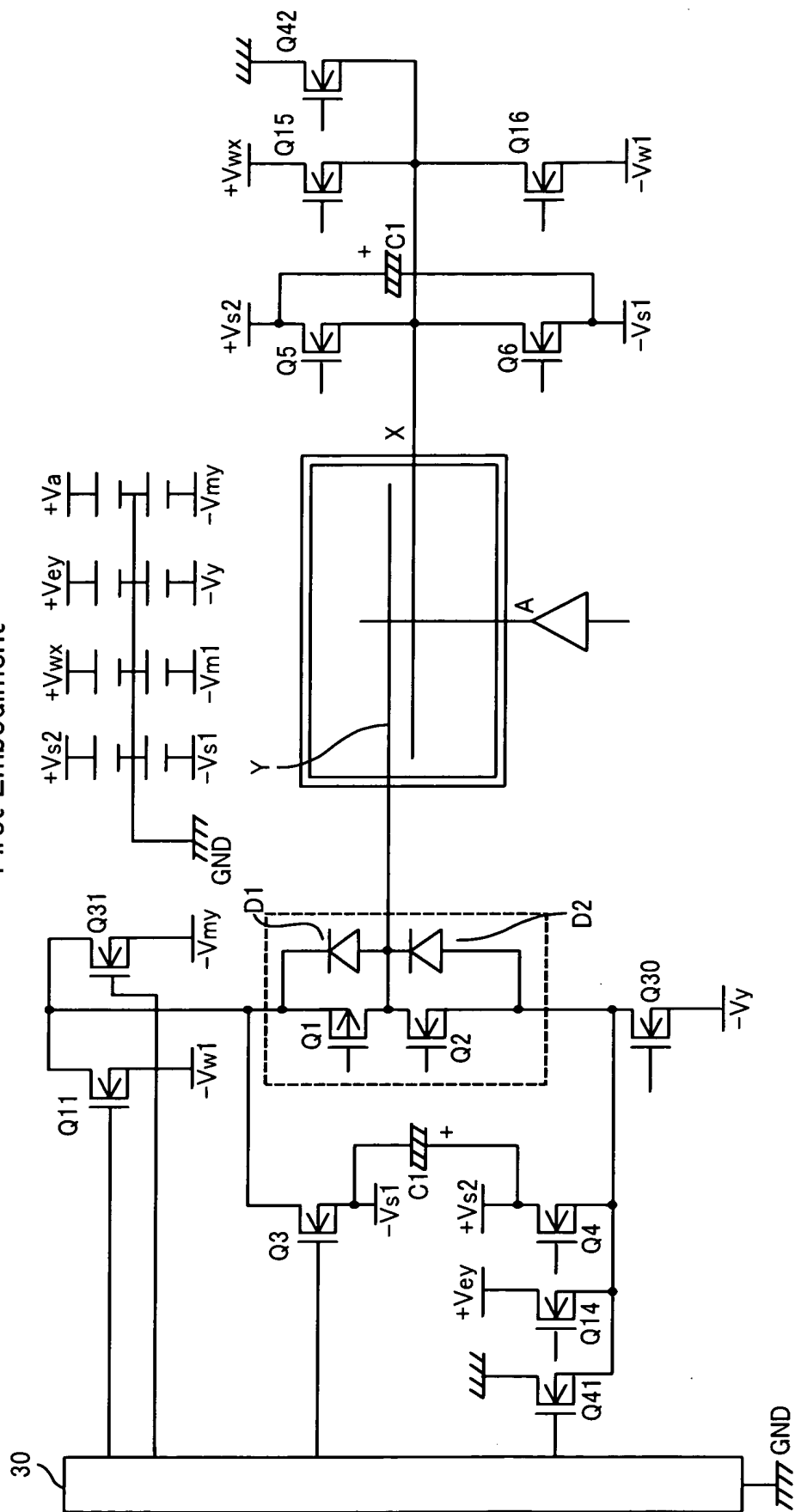
FIG. 9

First Embodiment

FIG. 10

Second Embodiment
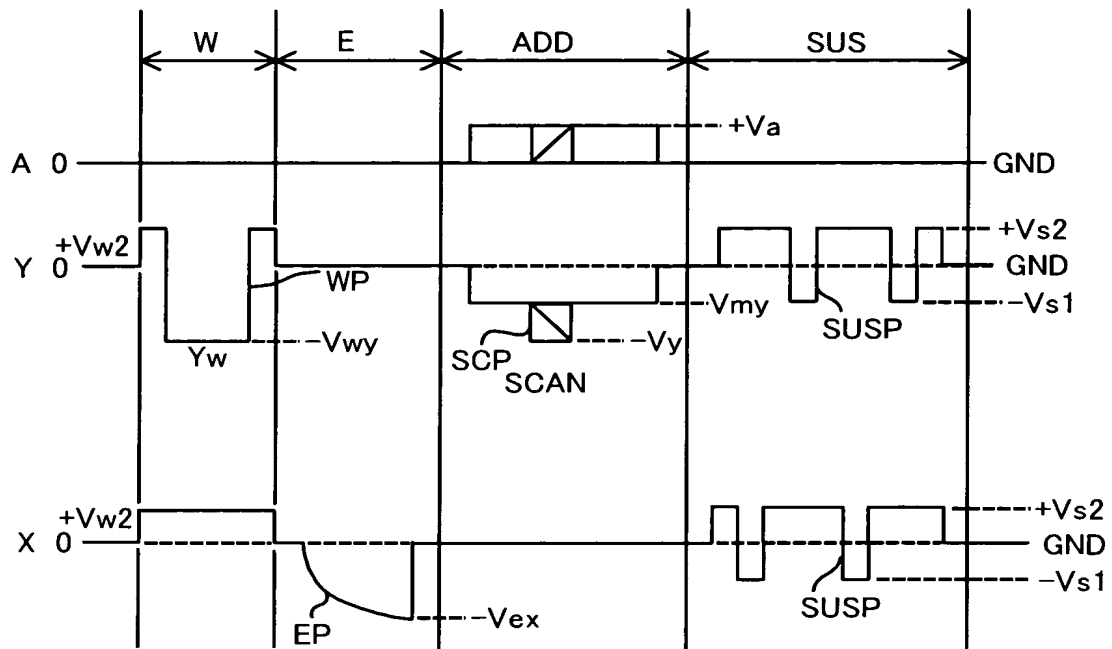
FIG. 11
Second Embodiment
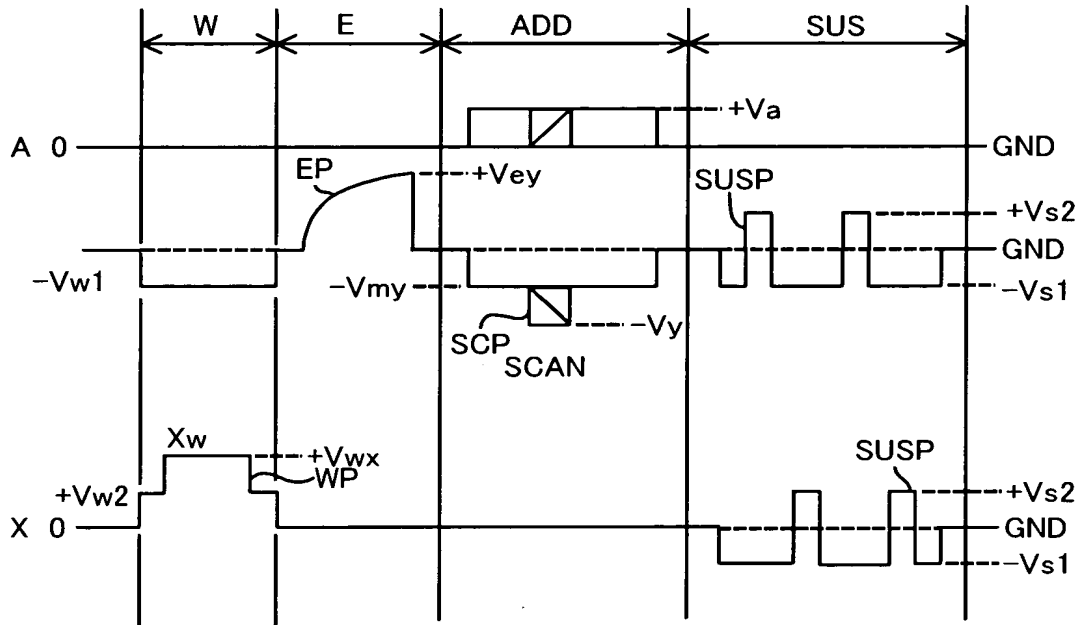
FIG. 12

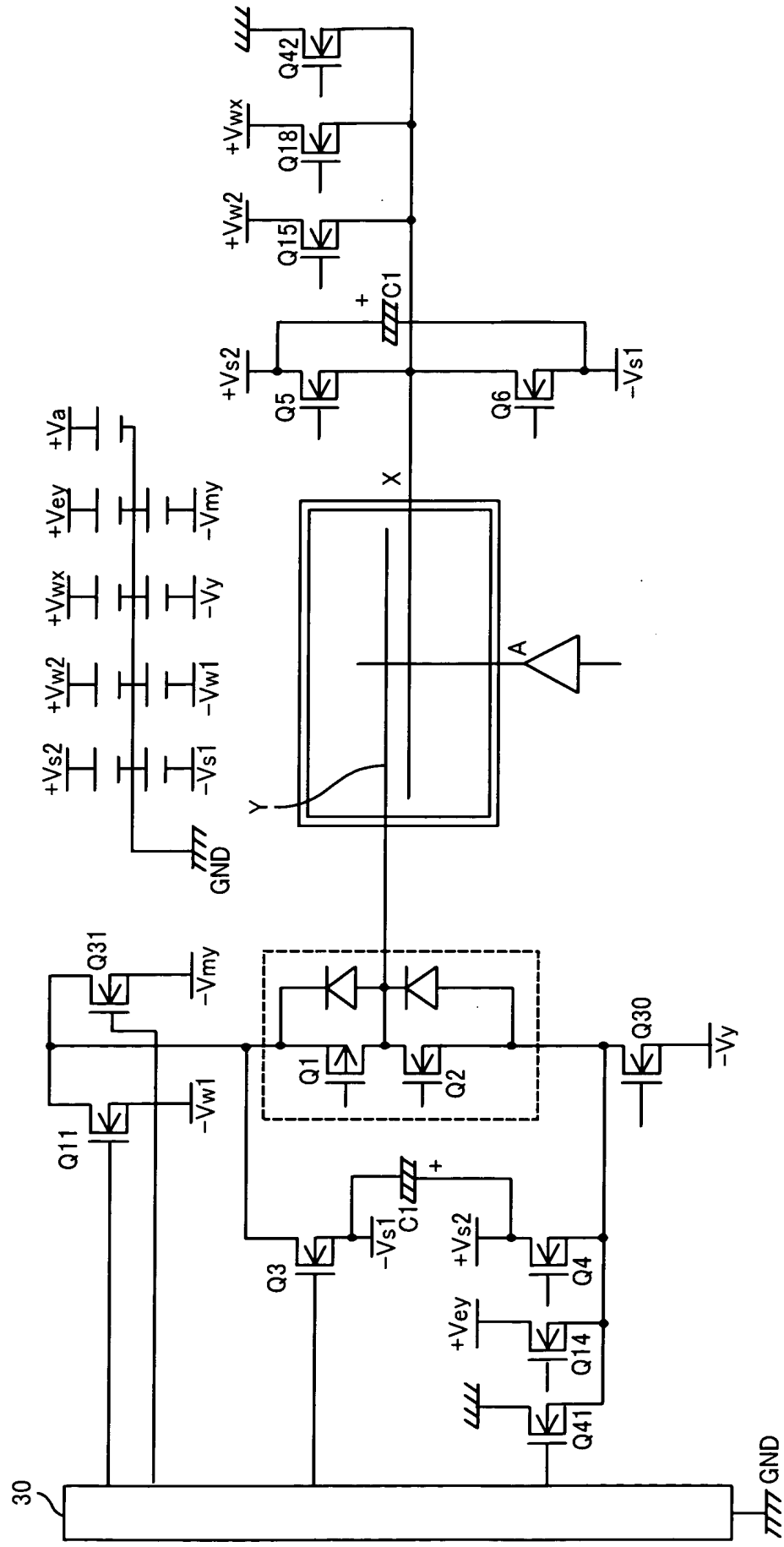## Third Embodiment

FIG. 13

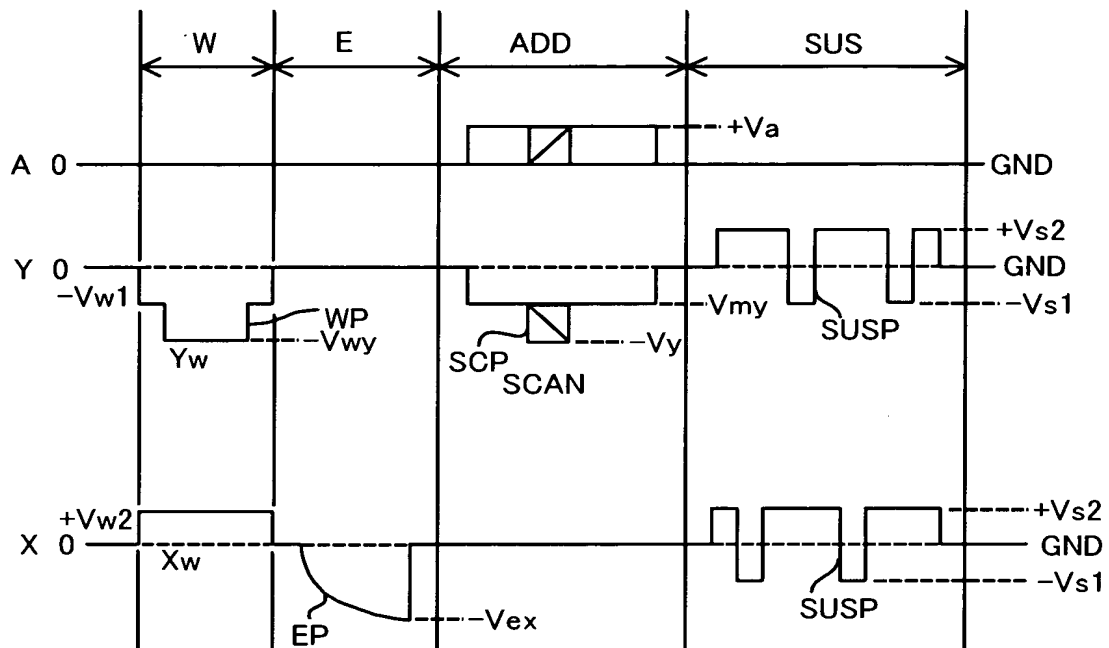Third Embodiment

FIG. 14

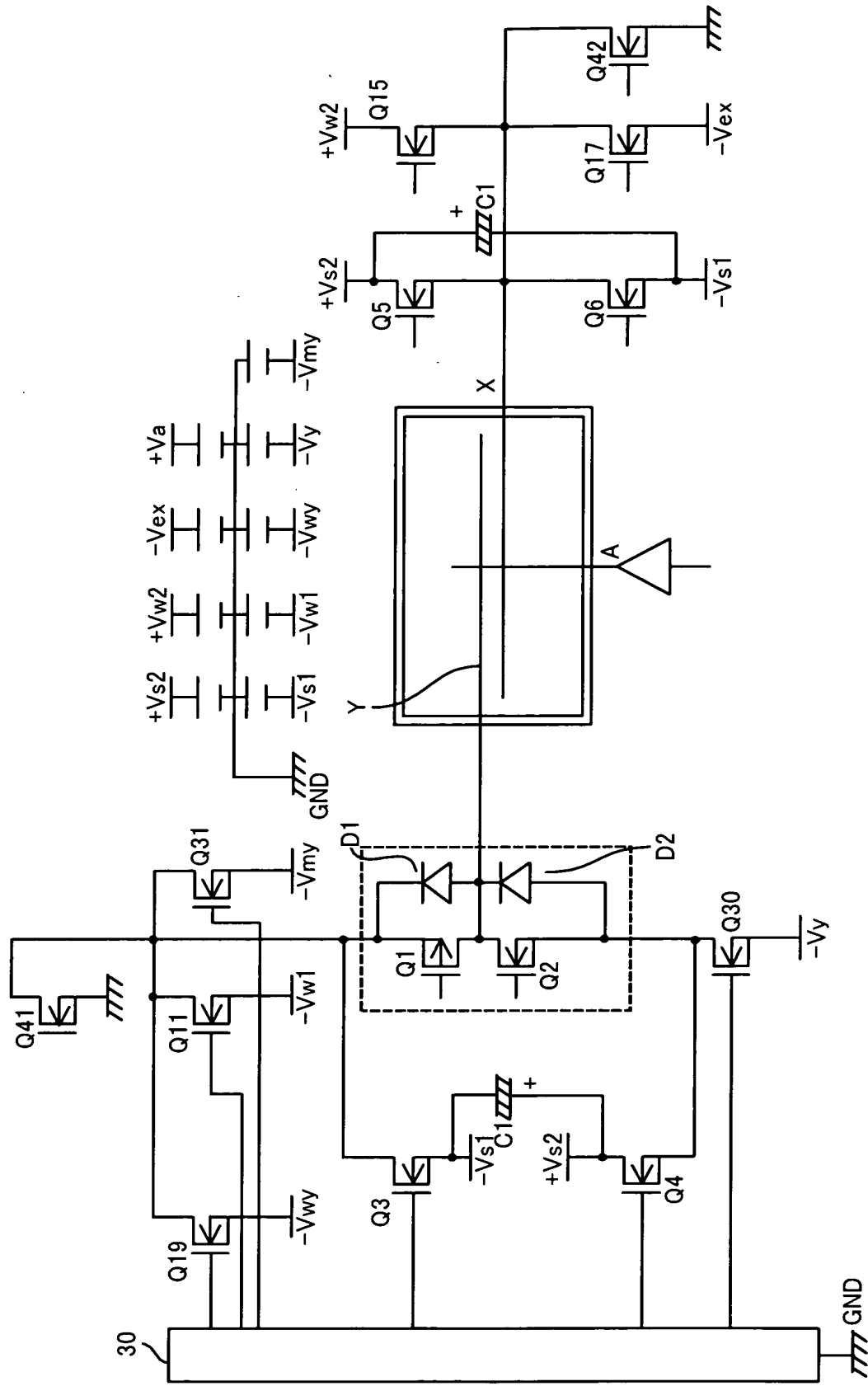## Fourth Embodiment

FIG. 15

Fourth Embodiment
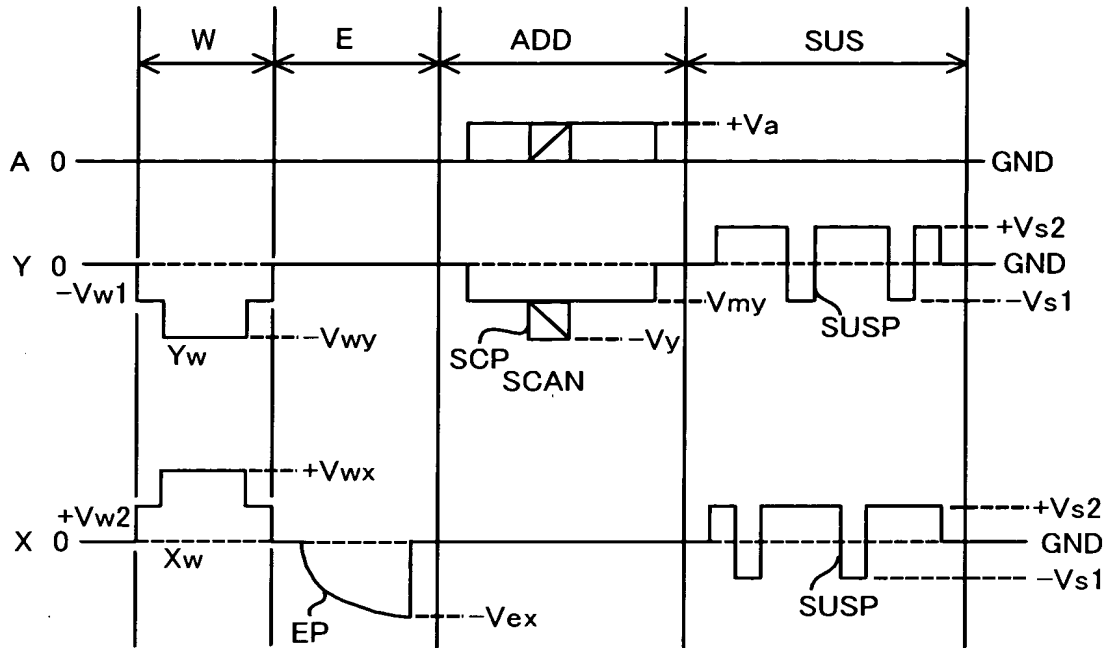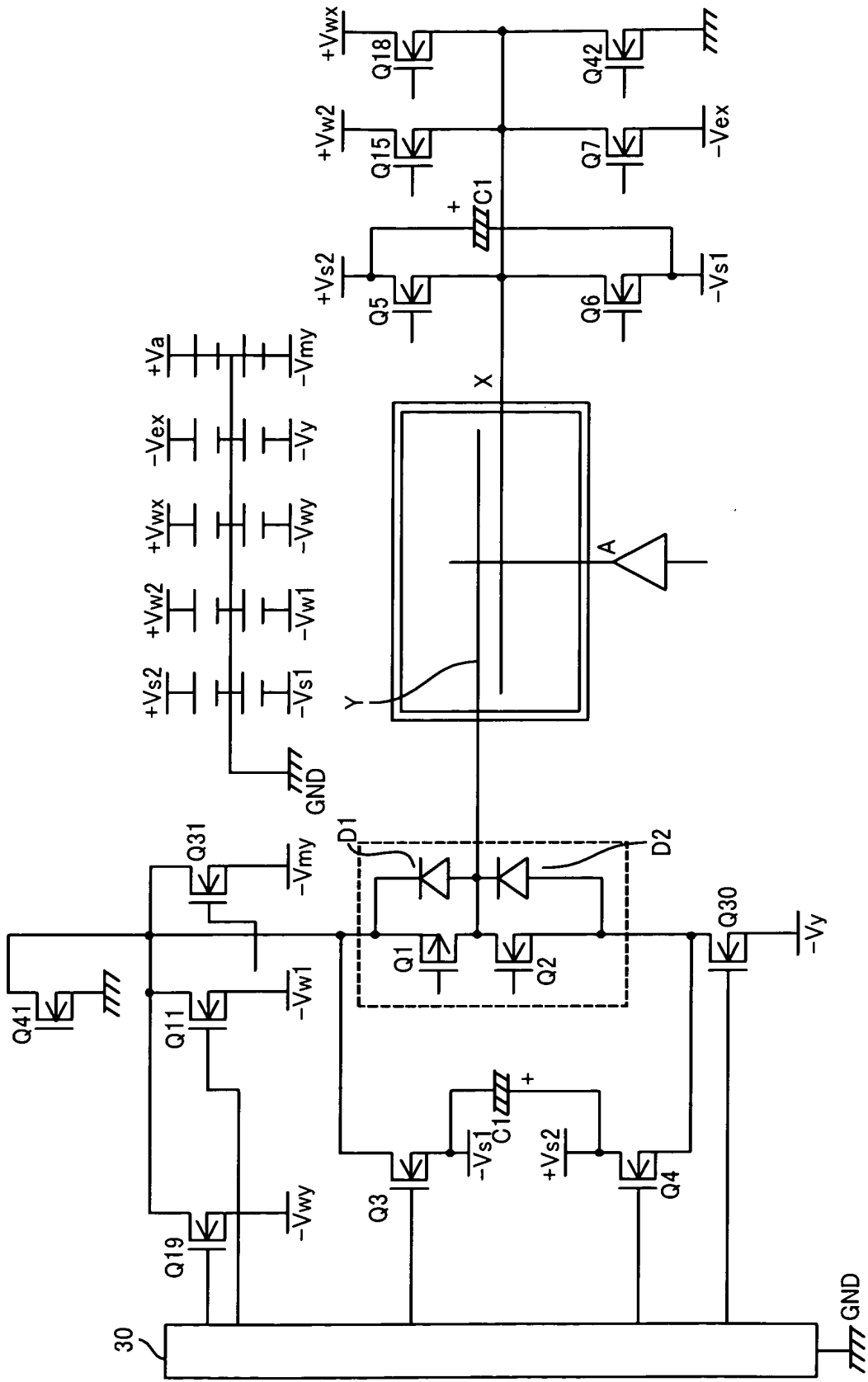
FIG. 16

Fifth Embodiment
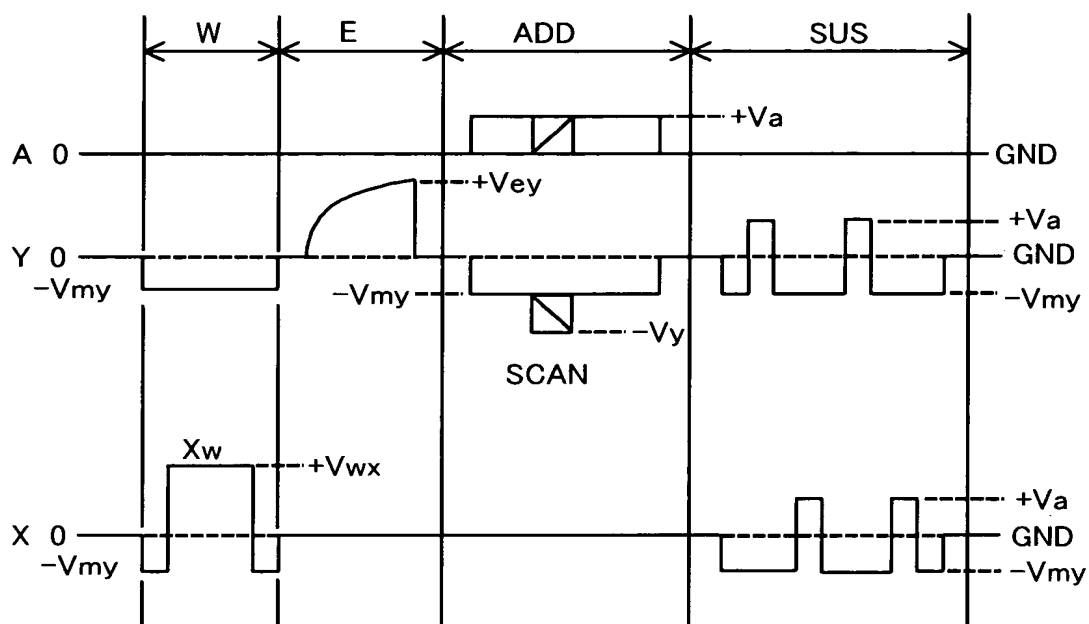
FIG. 17
Fifth Embodiment
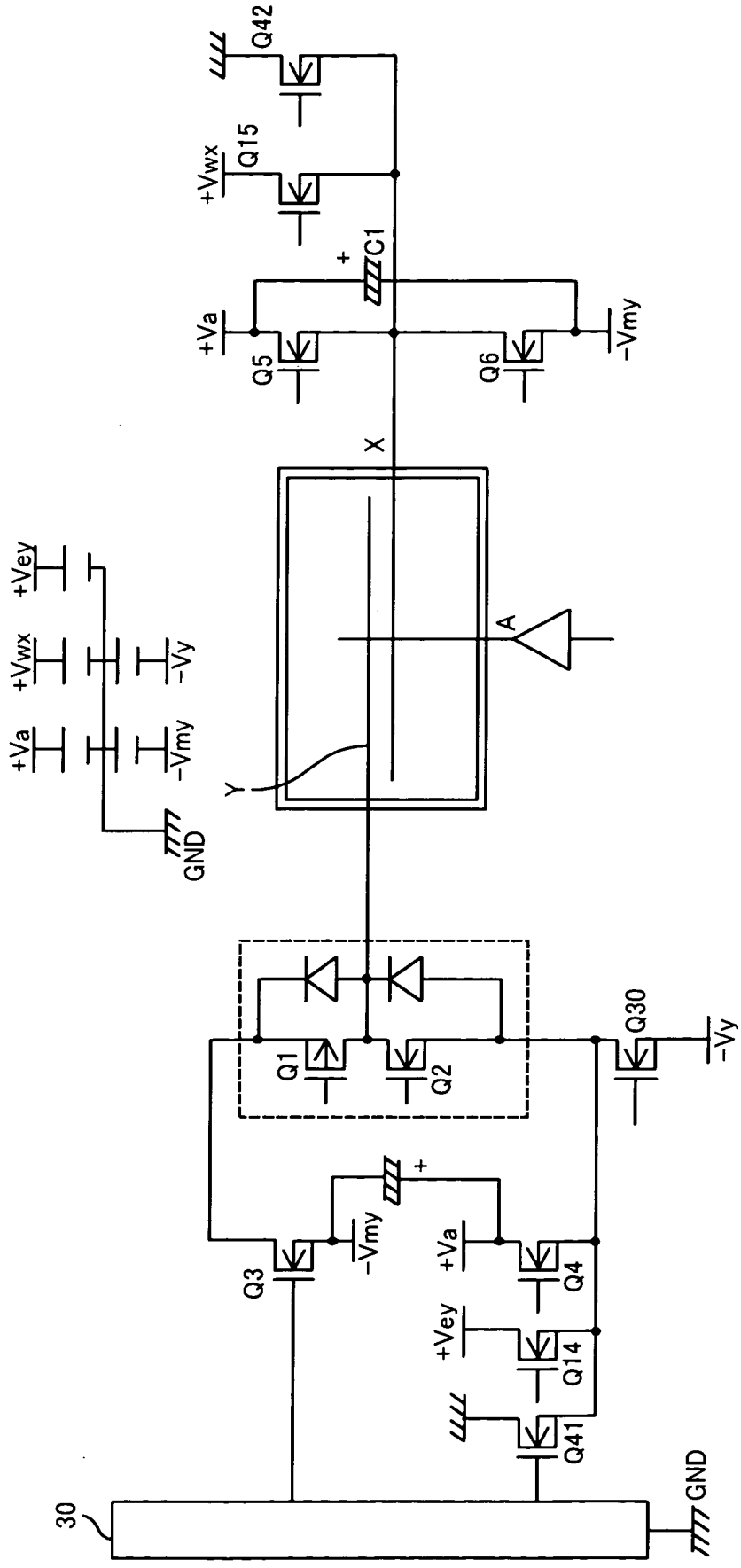
FIG. 18

Sixth Embodiment
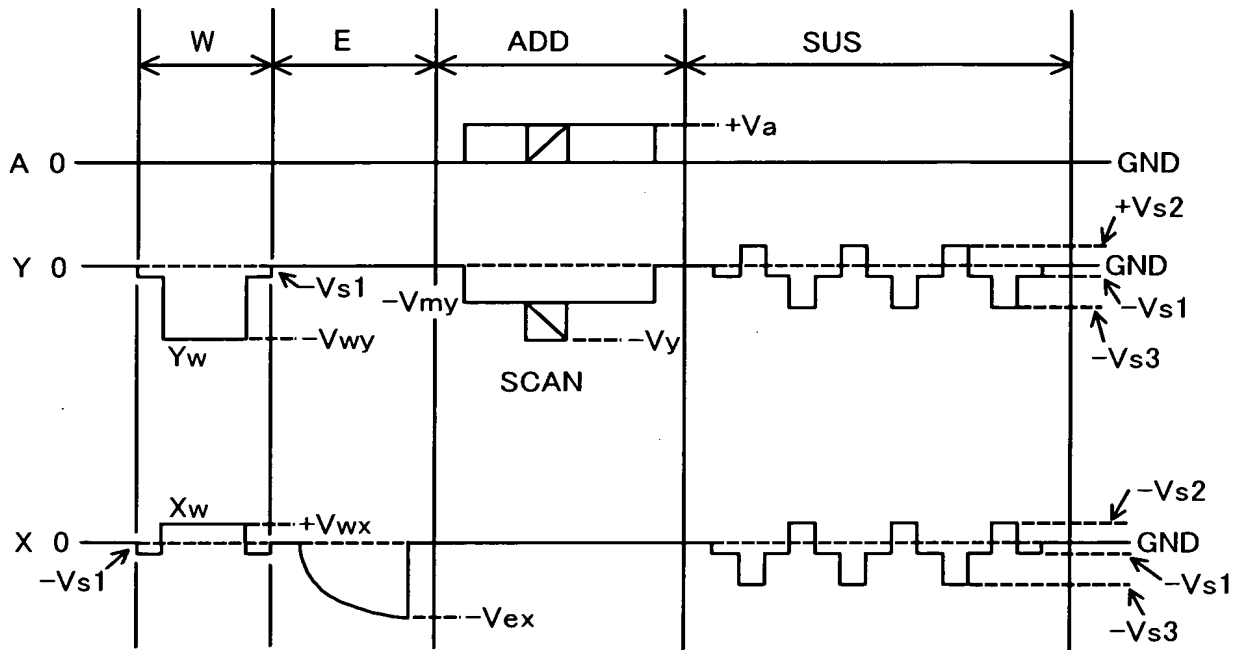
FIG. 19

Sixth Embodiment

FIG. 20

Seventh Embodiment
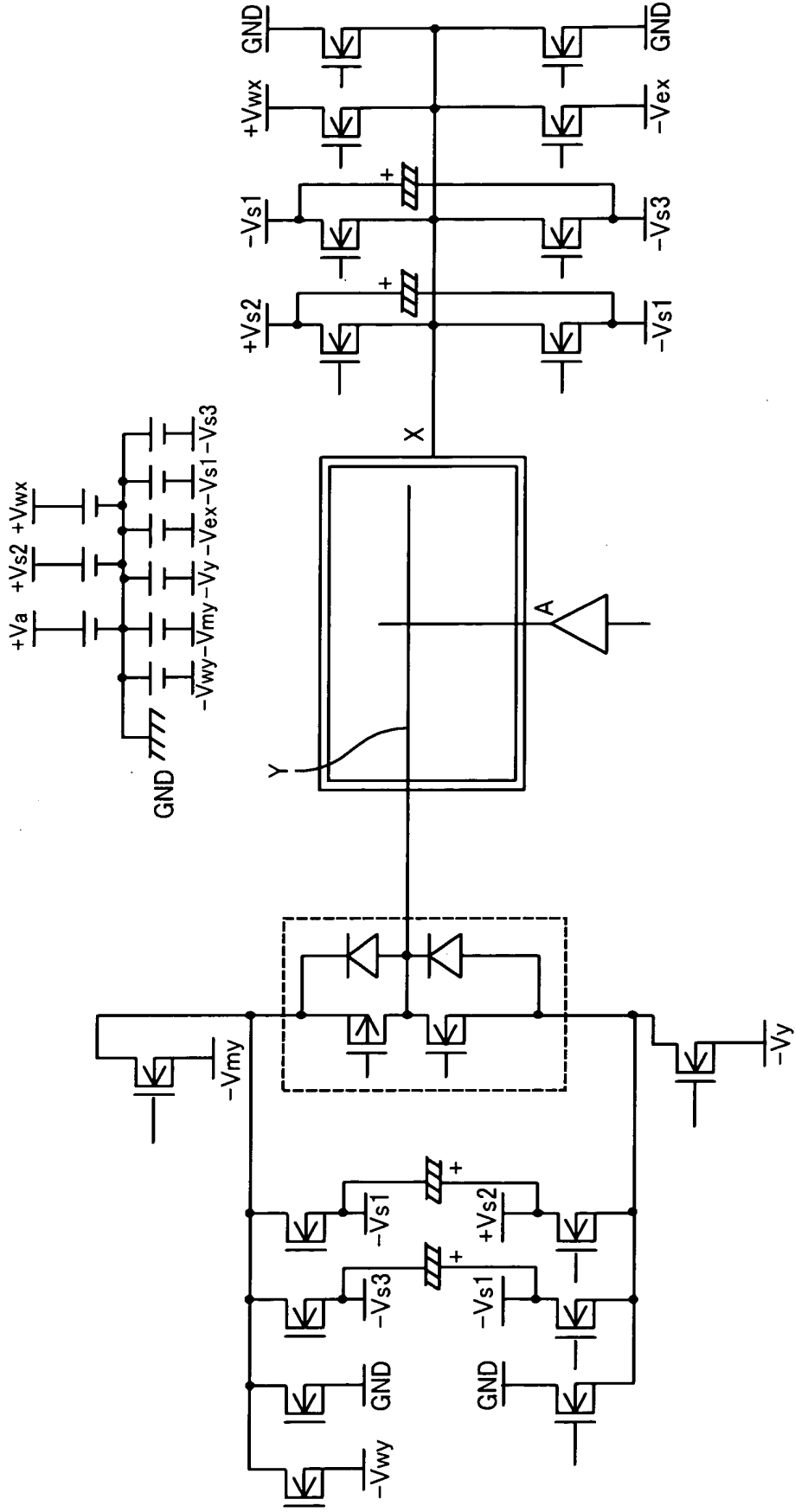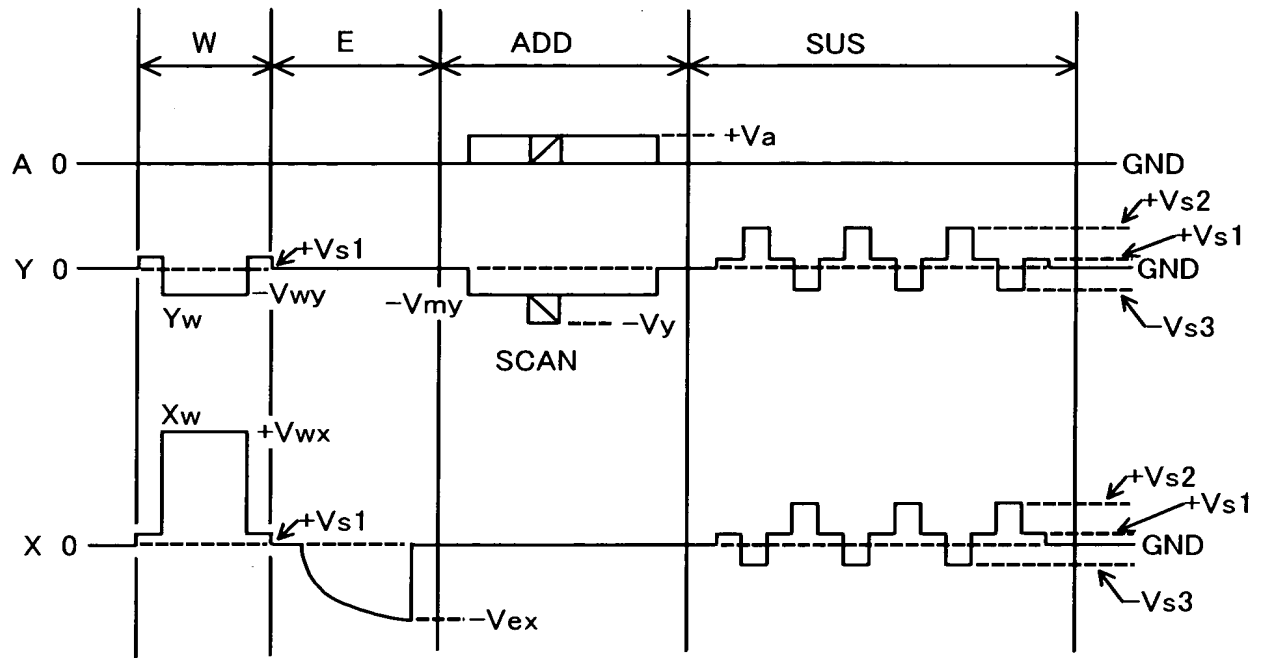
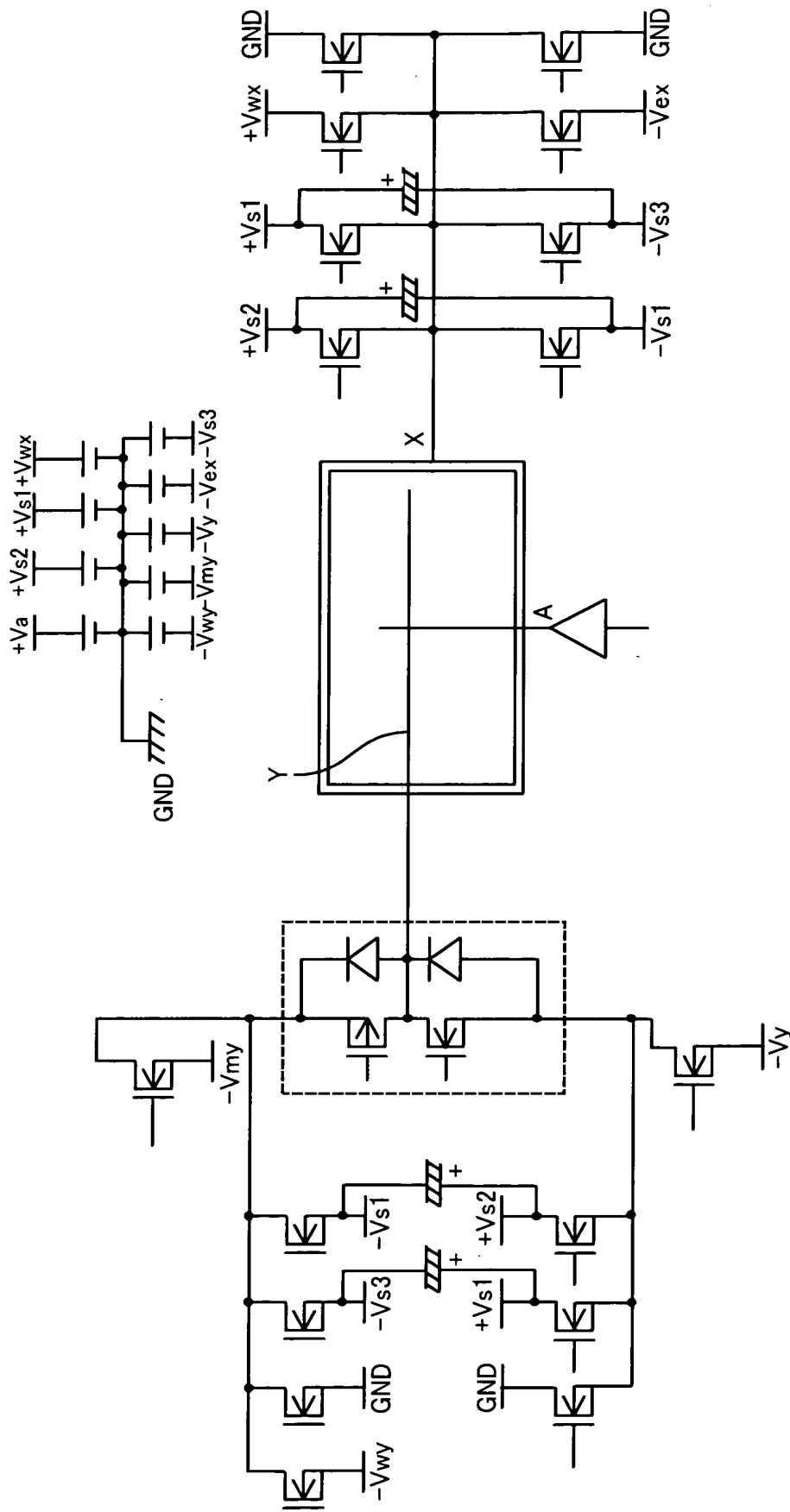FIG. 21
Seventh Embodiment

FIG. 22

Eighth Embodiment
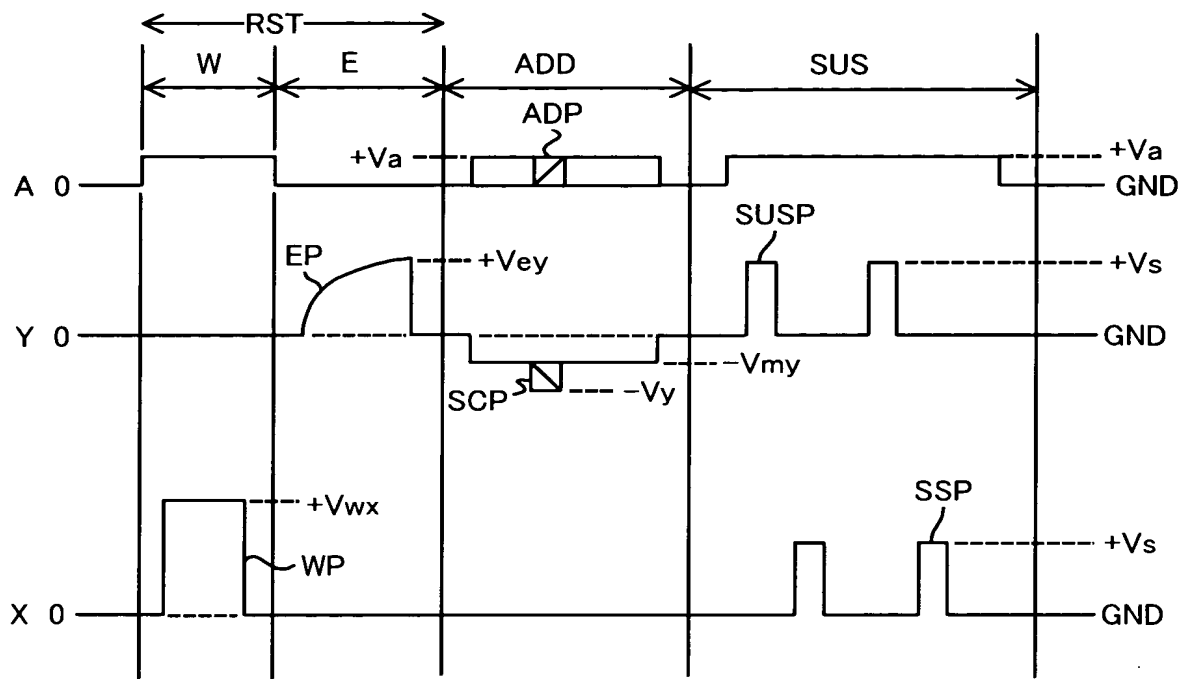
FIG. 23

Eighth Embodiment

FIG. 24A Example 1

FIG. 24B Example 2